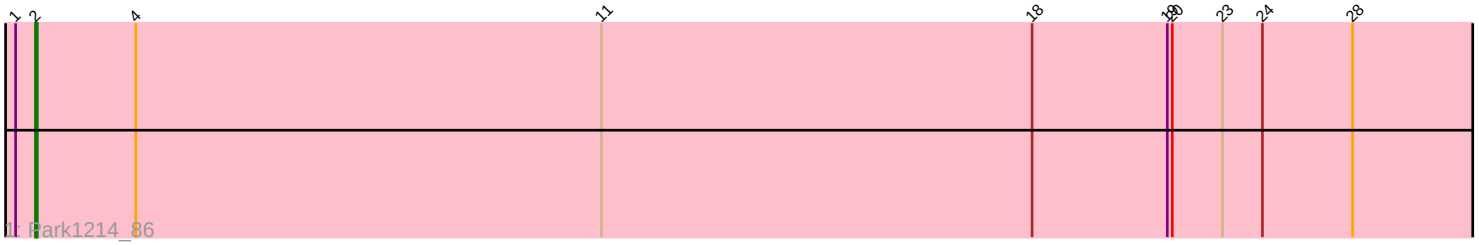
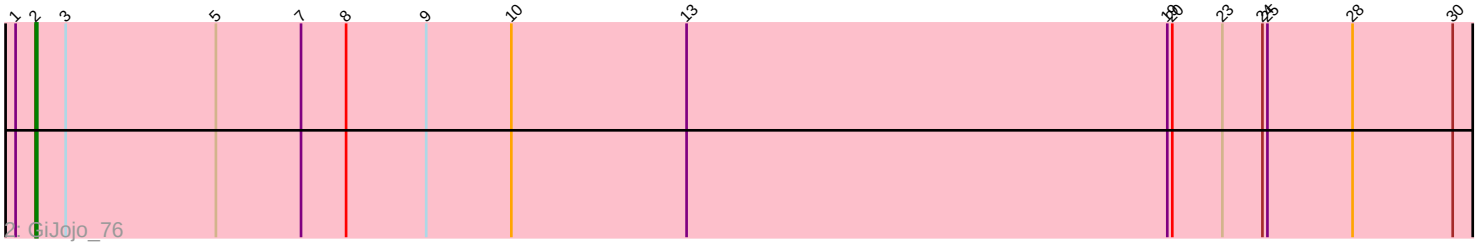
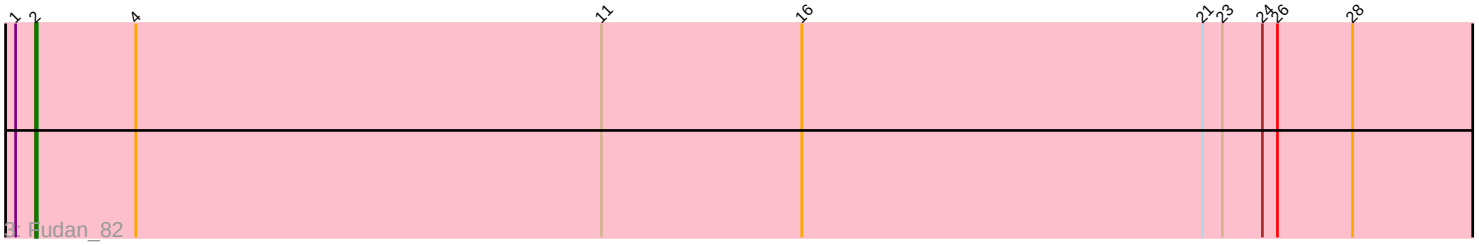
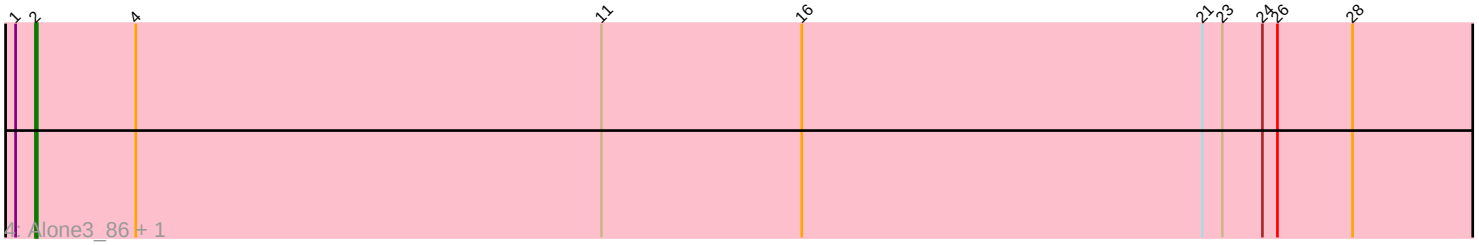
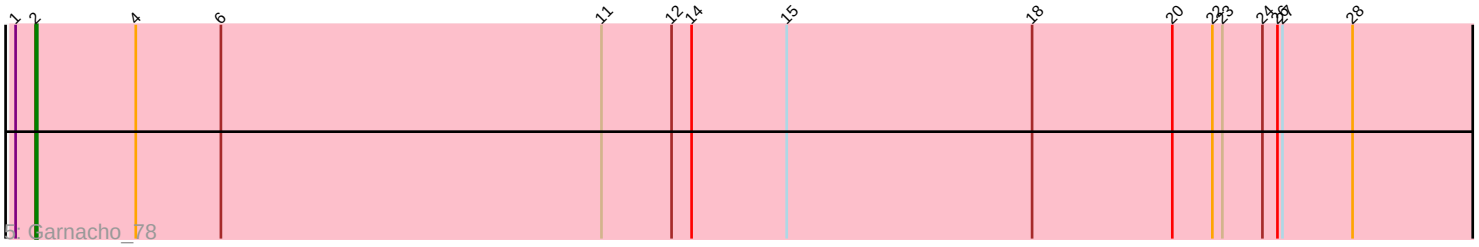
Zoomed Pham 341318

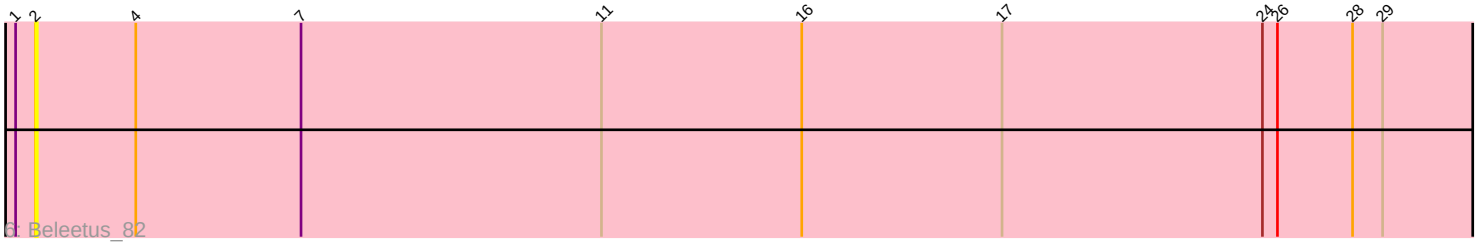












Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 341318 Report

This analysis was run 11/14/26 on database version 672.

Pham number 341318 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Park1214_86
• Track 2 : GiJojo_76
• Track 3 : Fudan_82
• Track 4 : Alone3_86, LuckySocke_84
• Track 5 : Garnacho_78
• Track 6 : Beleetus_82

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alone3_86, Beleetus_82, Fudan_82, Garnacho_78, GiJojo_76, LuckySocke_84, Park1214_86,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_86 (BS), Beleetus_82 (BS), Fudan_82 (BS), Garnacho_78 (BS), GiJojo_76 (BS), LuckySocke_84 (BS), Park1214_86 (BS),

Summary by clusters:

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:
•Start number 2 was manually annotated 6 times for cluster BS.

Gene Information:

Gene: Alone3_86 Start: 36459, Stop: 38903, Start Num: 2
Candidate Starts for Alone3_86:
(1, 36447), (Start: 2 @36459 has 6 MA's), (4, 36519), (11, 36798), (16, 36918), (21, 37158), (23, 37170), (24, 37194), (26, 37203), (28, 37248), (31, 37353), (34, 37437), (35, 37440), (37, 37500), (40, 37554), (42, 37602), (51, 37791), (52, 37833), (53, 37836), (54, 37848), (58, 37899), (60, 37932), (61, 37968), (62, 38004), (63, 38016), (67, 38091), (68, 38097), (70, 38142), (71, 38151), (74, 38247), (82, 38379), (87, 38559), (89, 38577), (91, 38691), (93, 38721),

Gene: Beleetus_82 Start: 34586, Stop: 37030, Start Num: 2
Candidate Starts for Beleetus_82:
(1, 34574), (Start: 2 @34586 has 6 MA's), (4, 34646), (7, 34745), (11, 34925), (16, 35045), (17, 35165), (24, 35321), (26, 35330), (28, 35375), (29, 35393), (31, 35480), (34, 35564), (35, 35567), (37, 35627), (40, 35681), (41, 35702), (44, 35762), (51, 35918), (53, 35963), (58, 36026), (60, 36059), (62, 36131), (63, 36143), (70, 36269), (71, 36278), (82, 36506), (84, 36542), (87, 36686), (88, 36698), (91, 36818), (93, 36848),

Gene: Fudan_82 Start: 35252, Stop: 37696, Start Num: 2
Candidate Starts for Fudan_82:
(1, 35240), (Start: 2 @35252 has 6 MA's), (4, 35312), (11, 35591), (16, 35711), (21, 35951), (23, 35963), (24, 35987), (26, 35996), (28, 36041), (31, 36146), (34, 36230), (35, 36233), (37, 36293), (40, 36347), (42, 36395), (51, 36584), (52, 36626), (53, 36629), (54, 36641), (58, 36692), (60, 36725), (61, 36761), (62, 36797), (63, 36809), (67, 36884), (68, 36890), (70, 36935), (71, 36944), (74, 37040), (82, 37172), (87, 37352), (89, 37370), (90, 37376), (91, 37484), (93, 37514),

Gene: Garnacho_78 Start: 34549, Stop: 36993, Start Num: 2
Candidate Starts for Garnacho_78:
(1, 34537), (Start: 2 @34549 has 6 MA's), (4, 34609), (6, 34660), (11, 34888), (12, 34930), (14, 34942), (15, 34999), (18, 35146), (20, 35230), (22, 35254), (23, 35260), (24, 35284), (26, 35293), (27, 35296), (28, 35338), (31, 35443), (35, 35530), (39, 35617), (40, 35644), (44, 35725), (51, 35881), (53, 35926), (58, 35989), (65, 36148), (71, 36241), (72, 36307), (79, 36421), (91, 36781), (92, 36787), (93, 36811), (94, 36817), (97, 36892),

Gene: GiJojo_76 Start: 35457, Stop: 38417, Start Num: 2
Candidate Starts for GiJojo_76:
(1, 35445), (Start: 2 @35457 has 6 MA's), (3, 35475), (5, 35565), (7, 35616), (8, 35643), (9, 35691), (10, 35742), (13, 35847), (19, 36135), (20, 36138), (23, 36168), (24, 36192), (25, 36195), (28, 36246), (30, 36306), (32, 36390), (33, 36420), (35, 36438), (36, 36492), (38, 36519), (40, 36552), (43, 36624), (45, 36660), (46, 36705), (47, 36708), (48, 36738), (49, 36759), (55, 36864), (56, 36879), (57, 36885), (59, 36945), (62, 37026), (66, 37110), (69, 37182), (72, 37266), (73, 37293), (75, 37320), (76, 37338), (78, 37392), (80, 37416), (83, 37479), (85, 37557), (95, 37845), (96, 37875), (98, 37908), (99, 37941), (100, 37983), (102, 38001), (103, 38055), (104, 38088), (105, 38121), (106, 38151), (107, 38202), (108, 38208), (109, 38217), (110, 38232), (111, 38385), (112, 38397),

Gene: LuckySocke_84 Start: 35201, Stop: 37645, Start Num: 2

Candidate Starts for LuckySocke_84:
(1, 35189), (Start: 2 @35201 has 6 MA's), (4, 35261), (11, 35540), (16, 35660), (21, 35900), (23, 35912), (24, 35936), (26, 35945), (28, 35990), (31, 36095), (34, 36179), (35, 36182), (37, 36242), (40, 36296), (42, 36344), (51, 36533), (52, 36575), (53, 36578), (54, 36590), (58, 36641), (60, 36674), (61, 36710), (62, 36746), (63, 36758), (67, 36833), (68, 36839), (70, 36884), (71, 36893), (74, 36989), (82, 37121), (87, 37301), (89, 37319), (91, 37433), (93, 37463),

Gene: Park1214_86 Start: 36045, Stop: 38489, Start Num: 2
Candidate Starts for Park1214_86:
(1, 36033), (Start: 2 @36045 has 6 MA's), (4, 36105), (11, 36384), (18, 36642), (19, 36723), (20, 36726), (23, 36756), (24, 36780), (28, 36834), (35, 37026), (40, 37140), (50, 37344), (51, 37377), (53, 37422), (58, 37485), (60, 37518), (61, 37554), (64, 37638), (68, 37683), (71, 37737), (77, 37875), (81, 37929), (86, 38121), (89, 38163), (94, 38313), (101, 38472),